

**From:** Ralph Ludwig/ADA/USEPA/US  
**Sent:** 1/4/2012 2:00:20 PM  
**To:** Sgraves@TechLawInc.com  
**CC:** Richard Rupert/R3/USEPA/US  
**Subject:** Re: FW: Dimock - SAP

Suddha,

I am fine with all of the analyses you are proposing below and the methods you have proposed. The more data, the better. We are not currently doing the alpha spec and radon 222 analyses (nor the bacteria analysis) but that does not mean they might not yield useful information. We may be including some of those analyses in our future rounds. For question/comment 3, yes, I would at least include butane and propane in your dissolved gas analysis.

I am not an expert on microbial analysis and so cannot comment on which method(s) might be most appropriate. If you are having difficulty identifying appropriate methods, you can try contacting Dr. Ann Keeley from our laboratory at keeley.ann@epa.gov or at 580-436-8890.

Ralph

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**From:** "Graves, Suddha" <Sgraves@TechLawInc.com>  
**To:** Ralph Ludwig/ADA/USEPA/US@EPA  
**Cc:** Richard Rupert/R3/USEPA/US  
**Date:** 01/04/2012 11:58 AM  
**Subject:** FW: Dimock - SAP

Dr. Ludwig,

Rich Rupert asked that I forward this list of questions to you for your input. Would you be able to provide any answers for us on the questions noted below?

Thanks,  
Suddha Graves  
TechLaw, Inc.

**From:** Graves, Suddha  
**Sent:** Wednesday, January 04, 2012 12:48 PM  
**To:** Rupert.Richard@epamail.epa.gov  
**Cc:** Nance, Gene; Carter, Joe  
**Subject:** Dimock - SAP

Rich Rupert,

We have a couple more questions regarding the analysis of samples for Dimock.

1. Alpha Spec (Th-232, Th-228, Th-230) and Alpha Spec (U-234, U-235, U-236, U-238) were recommended by ERT Gary Nuhart. The lab we will be using analyzes them using Method HASL 300. Is this acceptable?

2. Radon 222 (Rn-222) was also recommended by ERT Gary Nuhart. The lab we will be using analyzes it using Standard Method 7500 RN. Is this acceptable?
3. After looking more closely at some of Dr. Ludwig's comments and at the QAPP he worked under, we recommend adding a couple more dissolved gases to the RSK-175 analysis. The Plan currently specifies the parameter as "Dissolved Gases, Methane, Ethane, & Ethene by RSK-175" However, the RSK-175 method also analyzes for additional dissolved gases such as propane, butane, acetylene. We recommend adding those gases to our list. It would be changed to "Dissolved Gases, Methane, Ethane, Ethene, Propane, Butane, & Acetylene by RSK-175" Is this acceptable?
4. Have you heard any feedback regarding the bacteria analysis methods?

Thanks,

Suddha Graves

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